VIVEKANANDA REDDY LENKALA

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Professional Summary

Software Engineer with **3+ years** of experience designing production-grade distributed systems, secure backend solutions, and highly reliable workflow automation. Proven expertise in developing APIs and scalable platforms using Python, Java, and Go, with a strong focus on secure architecture and efficient design. Holds a **Master's in Computer Science** and a track record of delivering innovative, high-impact systems with forward-deployed engineer responsibilities.

Experience

Caddi Technologies
Aug 2025 – Dec 2025

Software Engineer
Seattle, WA, USA

- Built and deployed **workflow automation** systems leveraging computer vision and AI agent models using Python and Go, achieving a **98% reduction** in manual effort and saving an average of **100** hours per client per month.
- Managed customer-facing responsibilities to iteratively improve automation flows, enhancing AI model approach to achieve an error rate **below 1%** and ensure high-precision, reliable performance.

CCC Intelligent Solutions
June 2024 – Oct 2024

Backend Software Engineer Intern
Chicago, IL, USA

- Designed and built Java-based distributed payment APIs using **RabbitMQ** for **asynchronous processing** and implemented event-driven architecture that increased transaction throughput by 40% under peak load.
- Developed REST APIs for real-time payment status sync across distributed systems using **Java concurrency** and **Kafka** and ensured eventual consistency for 1M+ transactions per month.

Werize
Sept 2022 – August 2023

Software Engineer
Bangalore, KA, India

- Contributed to API migration from **AWS** to **GCP**, collaborating on redesign of distributed services using **Kubernetes** to ensure backward compatibility and minimize downtime. Reduced infra costs by 28%.
- Built a **GraphQL** gateway using Apollo Federation to replace multi-endpoint REST calls, implementing caching and query planning that reduced mobile API round trips by 30% and improved response times.

Edubrite Systems, Inc
June 2021 – Sept 2022

Fullstack Java Developer
Pune, MH, India

- Developed **multi-threaded** PDF processing APIs (Apache PDFBox) in microservices, reducing document processing time by 60% for 25K+ concurrent requests.
- Built Java APIs for Salesforce Trailhead integration by implementing distributed sessions and **Redis** caching, which improved global user response times by 35%.

Fintroops Fintech Solutions
Jan 2021 – June 2021

Founding Engineer
Hyderabad, TS, India

- Architected a secure, microservices-based payment splitting API using PHP Laravel and **JWT**, enabling the platform to launch a new B2B payments module and reducing unauthorized access incidents by 100%.
- Developed a **CI/CD** pipeline using **Jenkins**, SonarQube, Nexus, and GitHub Actions, and integrated **Kibana** monitoring to boost deployment speed by 70% and achieve 99.9% availability.

Technical Skills

Languages: Python, Java, Go, JavaScript, SQL
Web Development/ Frameworks: React, Node.js, , HTML, CSS, Typescript, Sass, Spring, Hibernate
Databases & Performance: MongoDB Clusters, PostgreSQL, Redis, Database Sharding, Query Optimization
Technologies: Git, AWS (EC2, S3, Lambda), GCP, MongoDB, Jenkins, JUnit, Linux, Docker, Kubernetes, CI/CD
Core Competencies: Distributed Systems, Identity Management Systems, ML Tools/Frameworks, Design/Architecture Understanding

Education

University Of Washington
Sept 2023 - June 2025

Master of Science in Computer Science and Software Engineering — 3.9 GPA
Seattle, Washington

Bennett University
Aug 2017 - May 2021

Bachelor of Technology in Computer Science and Engineering
Greater Noida, India